

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An electrical stimulation device comprising:

A heel switch adapted to be located under a heel of a patient's foot for detecting when the foot is lifted and generating a sensor signal in response thereto,

an electrode adapted to make electrical contact with an area of the patient's leg adjacent the foot, and

a controller coupled to the heel switch and electrode for receiving the sensor signal indicating when the foot is lifted and when the foot is placed, and for outputting to the electrode a stimulation signal comprising a rise portion and a stimulation portion when the foot is lifted, and outputting to the electrode a simulation signal comprising an extension portion and a fall portion when the foot is placed, and programmed to record a duration of use and a number of movement events during the duration of use.

2. (currently amended) ~~An~~ ~~The~~ electrical stimulation device for controlling the movement of a foot of a patient of claim 1 further comprising:

~~a heel switch adapted to be located under a heel of a patient's foot for detecting a walking movement of the patient,~~

~~an electrode located to stimulate muscles which contract to lift said foot of the patient during walking,~~

~~a housing to be worn by a user of the device,~~

~~a receiver on the housing for receiving wireless signals from a remote unit, and wherein~~

~~a the controller provided in the housing and is coupled to the receiver for receiving stimulation data from the remote unit and storing the stimulation data in a stimulation file, and coupled to the heel switch for receiving a signal indicating the walking movement, and for generating a control signal using the stimulation file in response to the walking movement, and for outputting the control signal to the electrode to lift the foot during walking, and programmed to record in a log file a number of steps and duration of walking~~

movements in a time period comprising one of an hour, a day or between a period of dates, and wherein the control signal comprises a rise portion, a stimulation portion, an extension portion and a fall portion for each walking movement.

3. (canceled)

4. (previously presented) The device of claim 2 wherein the stimulation data includes a stimulation intensity level, a rise time, a stimulation time, an extension time and a fall time.

5. (original) The device of claim 4 wherein the stimulation data also includes a pulse form, a triggering period, a triggering method and triggering criteria.

6. (previously presented) The device of claim 4 further including a computer removably coupled to the controller for downloading the stimulation file and log file, and for updating the stimulation file, and programmed to store data from the stimulation and log files in a database, and for outputting for display the stimulation data and the number of steps and duration of the walking movements in the time period.

7. (original) The device of claim 6 wherein the computer is a Personal Digital Assistant.

8. (original) The device of claim 6 wherein the database also includes information about the user of the device, and the computer is programmed for accessing the database by a Windows™ graphical user interface.

9. (original) The device of claim 2 wherein the remote unit is a handheld remote control unit.

10. (canceled)

11 (New): An electrical stimulation device for aiding movement of a foot of a patient during walking, comprising:

a heel switch adapted to locate under a heel of a patient's foot for detecting when the foot is lifted and placed during a walking movement of the patient,
an electrode located to simulate muscles which contract to lift a foot during walking,
a housing adapted to be worn by the patient,
a controller located in the housing for storing stimulation data in a stimulation file, the controller coupled to the heel switch for receiving a first signal indicating when the foot is lifted during the walking movement, generating a first control signal using the stimulation file in response to the first signal and outputting the first control signal to the electrode and receiving a second signal indicating when the foot is placed during the walking movement, generating a second control signal using the stimulation file in response to the second signal and outputting the second control signal to the electrode.